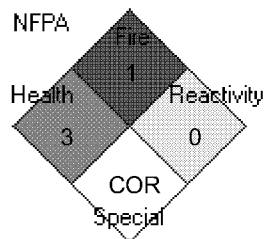


**MSDS - Material Safety Data Sheet****Product Name: Algaecide (SPA)****MSDS No.: 039915****Part Numbers Covered:**

039915

**I. Basic Information:**

**Manufacturer:** WILLIAM H. HARVEY COMPANY  
**Address:** 4334 SOUTH 67TH STREET  
**City, ST Zip:** OMAHA, NE 68117-1019

**Last Update:** 7/8/2002**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☒ Mixture

3	Health
1	Flammability
0	Reactivity
D	Pers. Protection

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
139	AlkylDimethylBenzyl AmmoniumCl	NI						NI	NI	NI
	Quaternary Ammonium Cmpd									
64	Ethanol Ethyl Alcohol	NI						NI	1000	NI

**III. Hazardous Identification:****Hazard Category:**

☐ Acute ☐ Chronic ☐ Fire ☐ Pressure ☐ Reactive

**Hazardous Identification Information:**

NDA

**IV. First Aid Measures:****Route(s) of Entry:**

Eye contact, skin contact, inhalation

**Health Hazards (Acute and Chronic):**

Eye contact may cause burns, irreversible damage.

Skin contact may cause severe irritation

Inhalation may cause irritation, CNS depression. Ingestion may cause burning sensation, breathing difficulty, shock symptoms, convulsions, even death.

**Signs and Symptoms:**

Symptoms of early to moderate CNS depression include giddiness, dizziness, confusion, drunken behavior, headache, nausea, diarrhea, vomiting, tiredness and drowsiness.

**Medical Conditions Generally Aggravated by Exposure:**

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None currently known

## Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. Call a physician.

Skin: Flush with water for 15 minutes while removing contaminated clothing and shoes. Call a physician

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. Call a physician immediately.

## Other Health Warnings:

No components present in excess of .1% by weight are listed as carcinogens by IARC, NTP, or OSHA.

## V. Fire Fighting Measures:

**Flash Point:** 180F

**Lower Explosive Limit:** NI

**Upper Explosive Limit:**

**Fire Extinguishing Media:** Alcohol foam carbon dioxide dry chemical water fog

## Special Fire Fighting Procedures:

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, SCBA and impervious protective clothing. Use water to cool containers exposed to fire.

## Unusual Fire and Explosion:

Vapor may travel a considerable distance to a source of ignition and flash back.

This product is flammable or combustible. Flash point is less than 200 degrees F. Keep liquid and vapor away from oxidizers, heat, sparks and flame. No smoking where material is used or stored. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

Bond and ground transfer containers and equipment. Contact with oxidizers may result in a fire and/or explosion. Empty containers are dangerous. Do not cut, drill, grind, weld or perform similar operations on or near containers.

## VI. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

Evacuate non essential personnel, eliminate ignition sources, and wear PPE. Shut off source of leak only if safe to do so. Contain and recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers. Use non-sparking tools.

## VII. Handling and Storage:

### Precautions to be Taken:

Keep heat, lights, fire, and sparks away. Drum must be grounded and bonded to receiving container when being emptied. For industrial use only.

ATTENTION: THIS CONTAINER HAZARDOUS WHEN EMPTY!

Keep container closed when not in use. Store away from oxidizers.

### Other Precautions:

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do not breathe vapor or mist. Do not get in eyes, on skin, or clothing. Do not swallow.

## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Local mechanical ventilation may be required.

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**Personal Protective Equipment:**

Chemical goggles/faceshield

Impervious gloves and clean body covering

IF exposure limits are exceeded, use a NIOSH/MSHA respirator approved for your conditions of exposure.

Safety shower, eye wash fountain, and washing facilities should be readily available.

**IX. Physical and Chemical Properties:**

**Boiling Point:** 221 F

**Melting Point:** NI

**Evaporation Rate:** NI

**Vapor Pressure (mm Hg.):** 129. @70 F

**Vapor Density (AIR = 1):** NI

**Solubility In Water:** Soluble

**Appearance and Odor:** Colorless to Lightly Colored Liquid

**Other Information:**

**X. Stability and Reactivity:**

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Bleaching agents (oxidizers). Avoid contact with bleaching agents and oxidizers which include chlorine, oxygen, permanganates, perchlorates, percarbonates, peroxides, chromates, hypochlorites, nitric acid, and sulfuric acid. Avoid contact with strong reducing agents which include hydrogen, hydrazine, sulfides, sulfites, and nitrites.

**Decomposition/By Products:**

Carbon Monoxide, oxides of nitrogen, hydrogen chloride, ammonia or amines, oxides of sulfur, Miscellaneous organic compounds, some possibly toxic.

**Hazardous Polymerization:**

Will not occur

**XI. Toxicological Information:**

NDA

**XII. Ecological Information:**

NDA

**XIII. Disposal Considerations:**

Solids must be disposed of in a permitted waste management facility. REcovered liquids may be reprocessed or incinerated in a permitted hazardous waste facility.

**XIV. Transport Information:**

**XV. Regulatory Information:**

NDA

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### ***XVI. Other Information:***

NI

NI